

SCM**FREY ENVIRONMENTAL, INC.***Environmental Geologists, Engineers, Assessors**2817 A Lafayette Avenue
Newport Beach, CA 92663**(949) 723-1645**Fax (949) 723-1854**Email: freyinc@freyinc.com*

October 19, 2000
172-01

Steven Hariri
Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

**GROUNDWATER MONITORING WELL SAMPLING
THIRD QUARTER 2000
FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA**

Dear Mr. Hariri:

This letter presents the results of groundwater sampling activities for the third quarter of 2000 at the site of the former Mondo Chrome facility located at 4933 Firestone Boulevard in South Gate, California (Figure 1).

SUMMARY OF ACTIVITIES

On September 22, 2000, groundwater monitoring wells MW1, MW2 and MW3 were measured for depth to water and checked for the presence of light non-aqueous phase liquids (LNAPLs). LNAPLs were not detected in wells MW1, MW2 or MW3 which were then purged and sampled according to the procedures presented in Appendix A.

Groundwater samples were analyzed for purgeable halocarbons in general accordance with EPA Method No. 8021B. Groundwater samples were also analyzed for total chromium in general accordance with EPA Method No. 200.7.

Groundwater purged from the wells is temporarily being stored on-Site in 55-gallon drums. The purged groundwater will be transported and disposed of at a State-certified recycling facility at a later date.

RESULTS

- The depth to groundwater varied between 40.47 feet and 40.60 feet below the top of casing on September 22, 2000. Groundwater elevations ranged from 68.85 feet above mean sea level in well MW1 to 69.01 above mean sea level in well MW3 on September 22, 2000.
- Groundwater was estimated to flow toward the northwest at a gradient of 0.0013 feet per foot on September 22, 2000. A site sketch showing groundwater elevations and estimated direction of groundwater flow on September 22, 2000 is presented on Figure 2.
- Tetrachloroethene (PCE) and trichloroethene (TCE) were detected at concentrations of 111 micrograms per liter (ug/L) and 150 ug/L, respectively, in the water sample collected from well MW1. In addition, 1,1-dichloroethene (1,1-DCE) and cis-1,2-dichloroethene (cis-1,2-DCE) were detected at concentrations of 1.9 ug/L and 11 ug/L, respectively, in the water sample collected from well MW-1. No other compounds analyzed as part of EPA Method No. 8021B were detected in the groundwater sample collected from MW1.
- PCE and TCE were detected at concentrations of 3.79 ug/L and 72.6 ug/L, respectively, in the groundwater sample collected from well MW2. No other compounds analyzed as part of EPA Method No. 8021B were detected in the groundwater sample collected from MW2.
- PCE, TCE, cis-1,2-DCE and 1,1-DCE were detected at concentrations of 7.11 ug/L, 66 ug/L, 4.97 ug/L and 1.61 ug/L, respectively, in the groundwater sample collected from well MW3. No other compounds analyzed as part of EPA Method No. 8021B were detected in the groundwater sample collected from MW3.
- Total chromium was detected at concentrations of 17 ug/L and 20 ug/L in groundwater samples collected from MW2 and MW3, respectively. Total chromium was not detected in the groundwater sample collected from well MW1.
- Calculated groundwater elevations and chemical analytical data have been summarized in Table 1. Laboratory reports are presented in Appendix B.

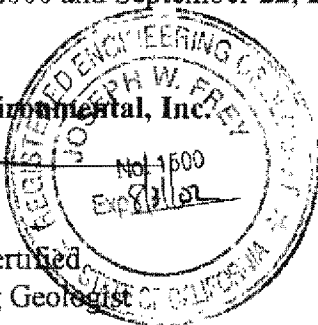
CONCLUSIONS


- In general, concentrations of purgeable halocarbons and total chromium in groundwater samples collected from wells MW1, MW2 and MW3 decreased significantly between June 26, 2000 and September 22, 2000.

Sincerely,

FREY Environmental, Inc.

Joe Frey
Principal Certified
Engineering Geologist
CEG #1500




Evan Privat
Senior Project Geologist

Enclosures:

Table 1 - Groundwater Levels and Chemical Analyses

Figure 1 - Site Location Map

Figure 2 - Site Sketch Showing Groundwater Elevations and Estimated Groundwater Flow Direction on September 22, 2000.

Figure 3 - Site Sketch With PCE Concentrations in Groundwater on September 22, 2000.

Figure 4 - Site Sketch With TCE Concentrations in Groundwater on September 22, 2000.

Appendix A - Field Procedures/Water Sampling Data Forms

Appendix B- Laboratory Results

cc: Mr. Howard Kay
Tedesco Leasing Partnership
475 Seventeenth Street
Suite 940
Denver, CO 80202

TABLE

TABLE 1
GROUNDWATER LEVELS AND CHEMICAL ANALYSES
FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

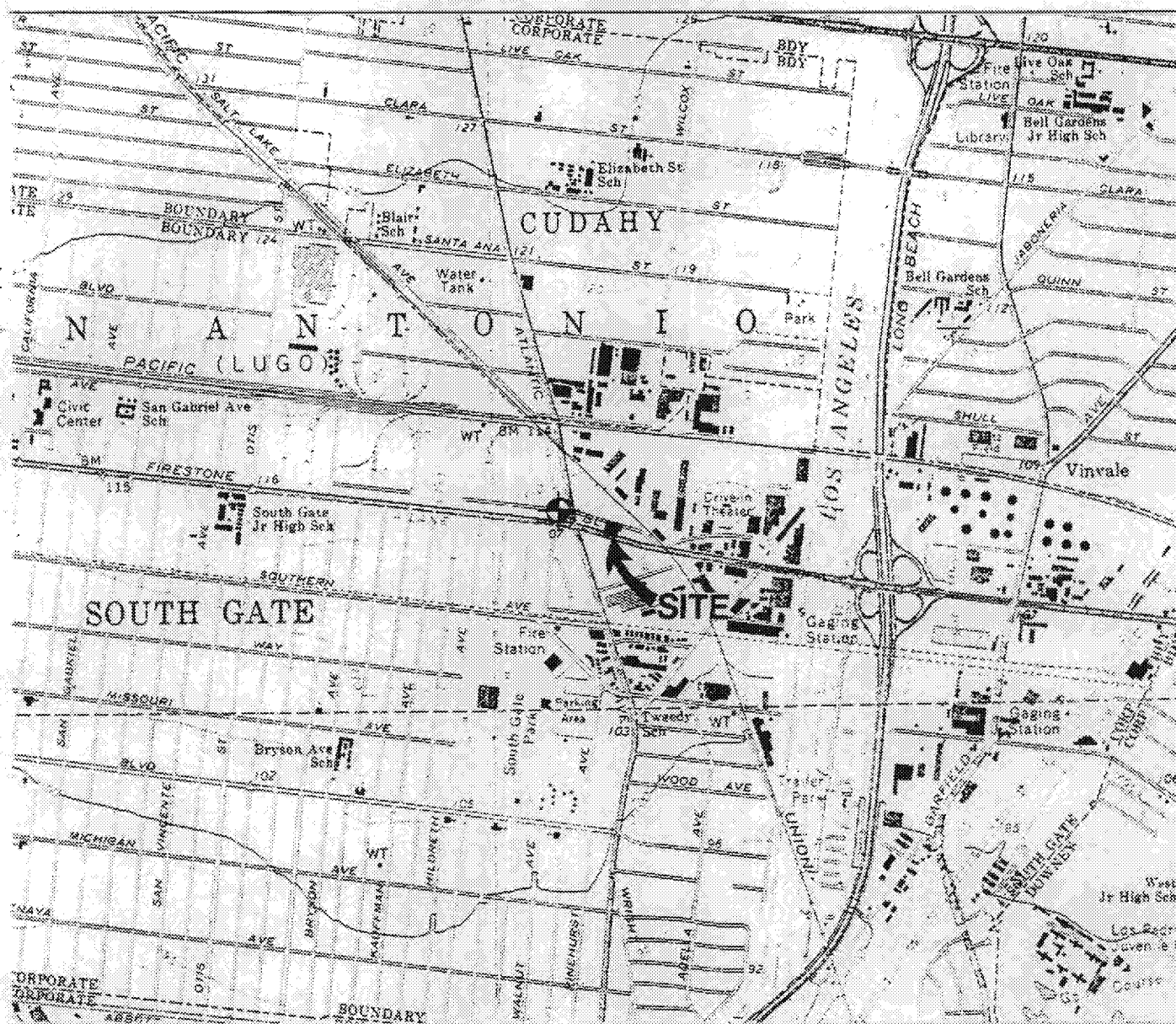
Well No.	Well Elevation (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater (feet)	Groundwater Elevation (ft-msl)	PCE ug/l (ppb)	TCE ug/l (ppb)	cis-1,2-DCE ug/l (ppb)	1,1-DCE ug/l (ppb)	Volatil Chloride ug/l (ppb)	1,2-DCA ug/l (ppb)	Total Chromium ug/l (ppb)	Chromium VI ug/l (ppb)	Cadmium ug/l (ppb)
MW1	109.40	30-55	12/07/98	41.58	67.82	110	140	6.8	ND>1	ND>1.0	ND>0.5	NA	NA	NA
			03/03/99	40.71	68.69	140	190	ND>10	ND>16	ND>20	ND>10	19	ND>20	ND>4
			06/24/99	40.36	69.04	600	780	ND>25	ND>40	ND>50	ND>25	19	ND>20	ND>4
			09/17/99	40.31	69.09	707	824	9.4	1.9	1.9	ND>0.5	16	ND>20	ND>4
			12/20/99	40.35	69.05	395	635	10	1.6	ND>1.0	ND>0.5	37	ND>20	ND>3
			03/28/00	40.42	68.98	368	538	11	1.9	ND>1.0	ND>0.5	4	NA	NA
			06/26/00	40.50	68.90	663	909	125	ND>0.8	ND>1.0	ND>0.5	46	NA	NA
			09/22/00	40.55	68.85	111	150	11	1.9	ND>1.0	ND>0.5	ND>3	NA	NA
MW2	109.45	30-55	12/07/98	41.68	67.77	11	77	16	ND>1	ND>1.0	ND>0.5	NA	NA	NA
			03/03/99	40.81	68.64	6.5	130	13	ND>4	ND>5	ND>2.5	33	ND>20	ND>4
			06/24/99	40.45	69.00	20	160	13	ND>8	ND>10	ND>5	50	ND>20	ND>4
			09/17/99	40.40	69.05	15	156	21	ND>0.8	ND>1	ND>0.5	40	ND>20	ND>4
			12/20/99	40.43	69.02	27	158	18	ND>0.8	ND>1.0	ND>0.5	18	ND>20	ND>3
			03/28/00	40.38	69.07	8.4	138	27	0.8	ND>1.0	ND>0.5	19	NA	NA
			06/26/00	40.46	68.99	17	101	230	ND>0.8	ND>1.0	ND>0.5	38	NA	NA
			09/22/00	40.47	68.98	3.79	72.6	ND>0.5	ND>0.8	ND>1.0	ND>0.5	17	NA	NA
MW3	109.61	30-55	12/07/98	41.78	67.83	9.3	75	10	1.7	ND>1.0	ND>0.5	NA	NA	NA
			03/03/99	40.94	68.67	5.1	100	6.4	ND>4	ND>5	ND>2.5	68	ND>20	ND>4
			06/24/99	40.59	69.02	7.4	110	7.3	ND>8	ND>10	ND>5	50	ND>20	ND>4
			09/17/99	40.56	69.05	6.1	145	12	1.2	2.3	1.2	58	ND>20	ND>4
			12/20/99	40.61	69.00	4.4	43	3.6	ND>0.8	ND>1.0	ND>0.5	37	ND>20	ND>3
			03/28/00	40.54	69.07	4.7	114	13	1.7	ND>1.0	0.9	19	NA	NA
			06/26/00	40.61	69.00	26	92	ND>0.5	ND>0.8	ND>1.0	ND>0.5	44	NA	NA
			09/22/00	40.60	69.01	7.11	66	4.97	1.61	ND>1.0	ND>0.5	20	NA	NA
DTSC MCLs						5	5	6	6	0.5	0.5	50		5

Notes

- 1) Well elevation recorded at top of casing.
- 2) PCE = Tetrachloroethene
- 3) TCE = Trichloroethene
- 4) cis-1,2-DCE = cis-1,2 Dichloroethene
- 5) 1,1-DCE = 1,1 Dichloroethene
- 6) 1,2-DCA = 1,2 Dichloroethane

- 7) Maximum Contaminant Levels (MCLs) are enforceable drinking water standards
- 8) ND> - Constituent not detected above the stated concentration
- 9) NA - Not analyzed

FIGURES



EXPLANATION

◆ Groundwater well UNOCAL property

MW1 Well number

(53') Depth to groundwater in feet MSL (1994)



NORTH



SCALE IN MILES

FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING

Project No.: 172-01

NOTES:

- 1) All locations and dimensions are approximate.
- 2) Base map from USGS 7.5 minute South Gate (1966, photorevised 1981), California topographic quadrangle.
- 3) Groundwater well data from FUGRO West, Inc., project no. 94-48-1320.

FREY ENVIRONMENTAL, INC.

SITE LOCATION MAP

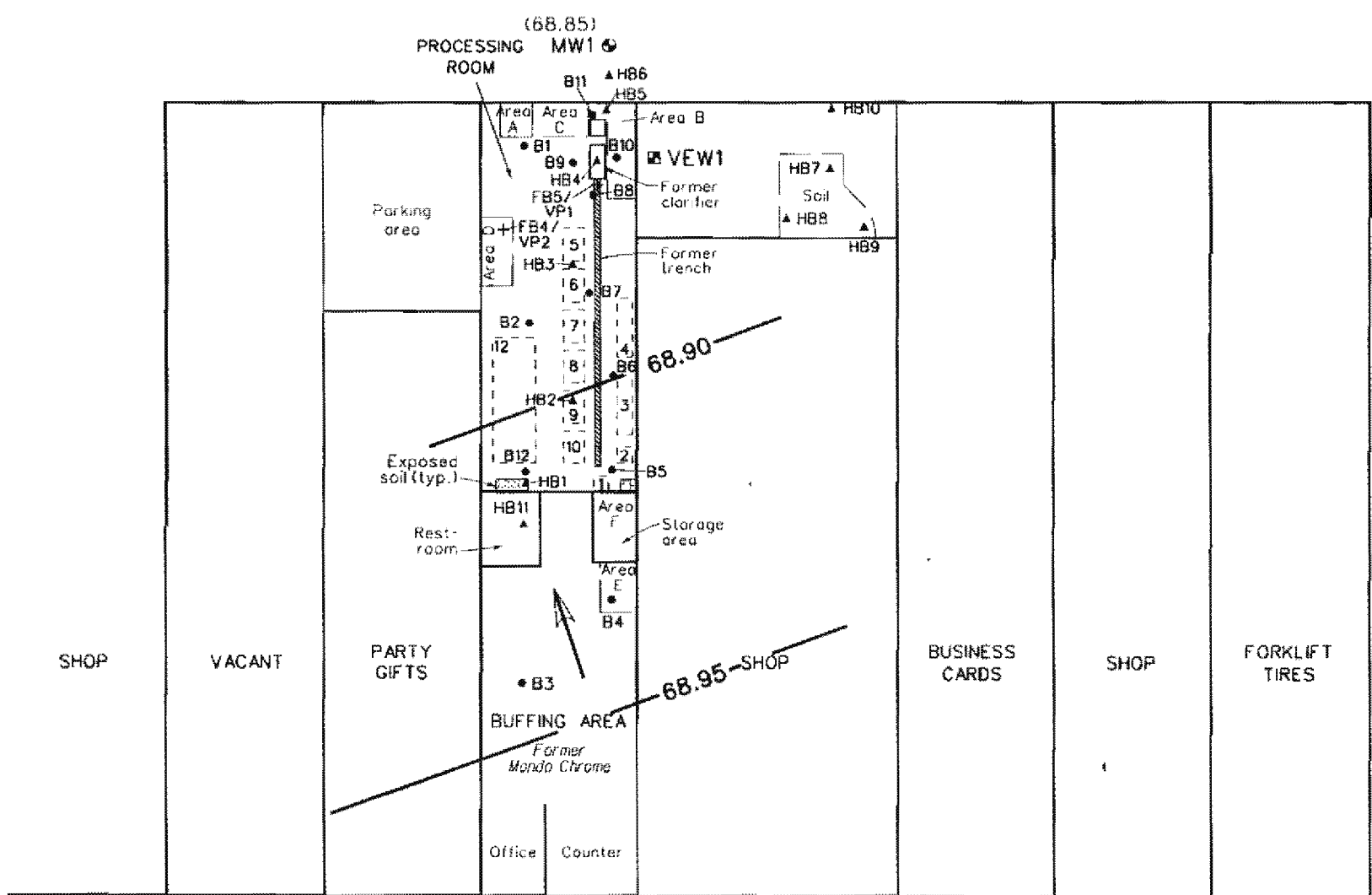
Date: JANUARY 1996

Figure: 1

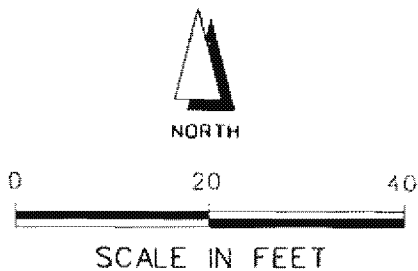
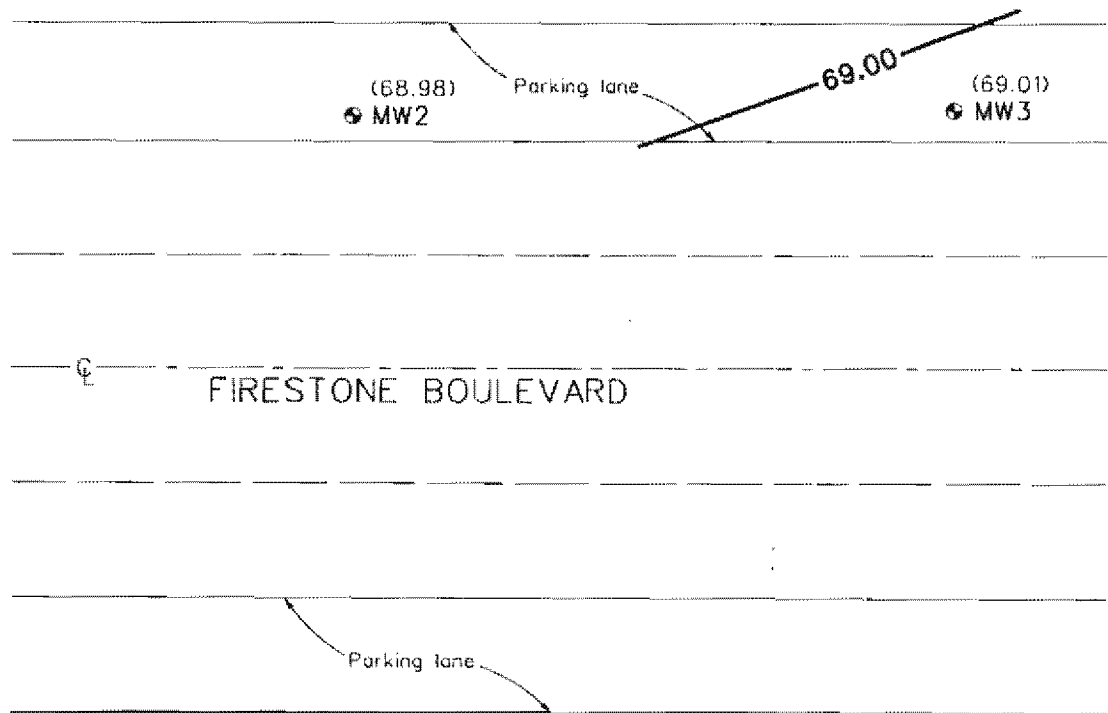
EXPLANATION

- ▲ HB6 HAND AUGER BORING LOCATION
- B11 BORING LOCATION
- VEW1 VAPOR EXTRACTION WELL LOCATION
- + FB4/VP2 SOIL SAMPLE LOCATION/VAPOR PROBE LOCATION
- ⊙ MW3 GROUNDWATER MONITORING WELL LOCATION
- (69.01) With groundwater elevation in feet MSL, on September 22, 2000
- 69.00 CONTOUR OF EQUAL GROUNDWATER ELEVATION in feet MSL, on September 22, 2000
- ESTIMATED GROUNDWATER FLOW DIRECTION

MASON STREET



- NOTES:
- 1) All locations and dimensions are approximate.
 - 2) Base map from Proposed Site Assessment, Former Mondo Chrome Facility, by Fugro West, Inc., project no. 94-48-1320, dated August 1994, and field observations made by FREY Environmental, Inc. July 1996.



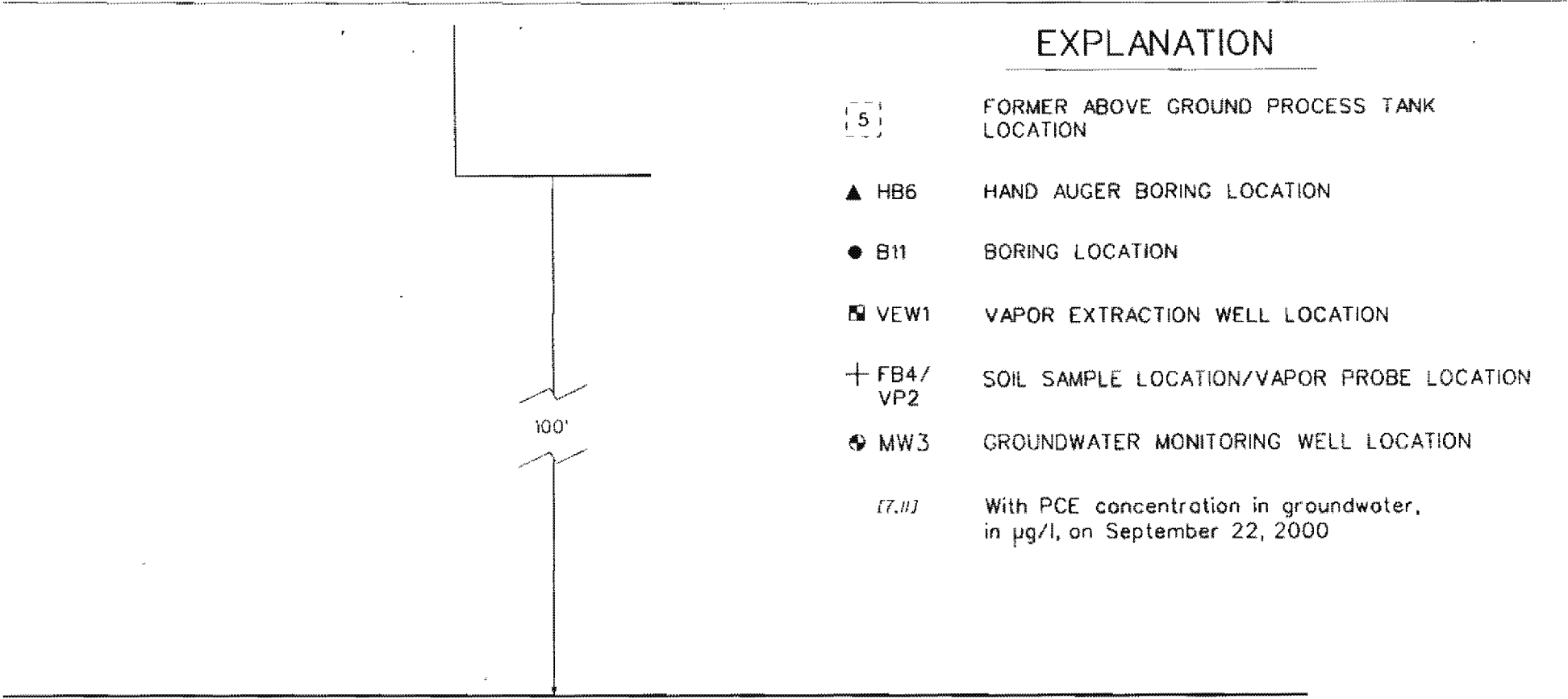
FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING Project No: 172-01

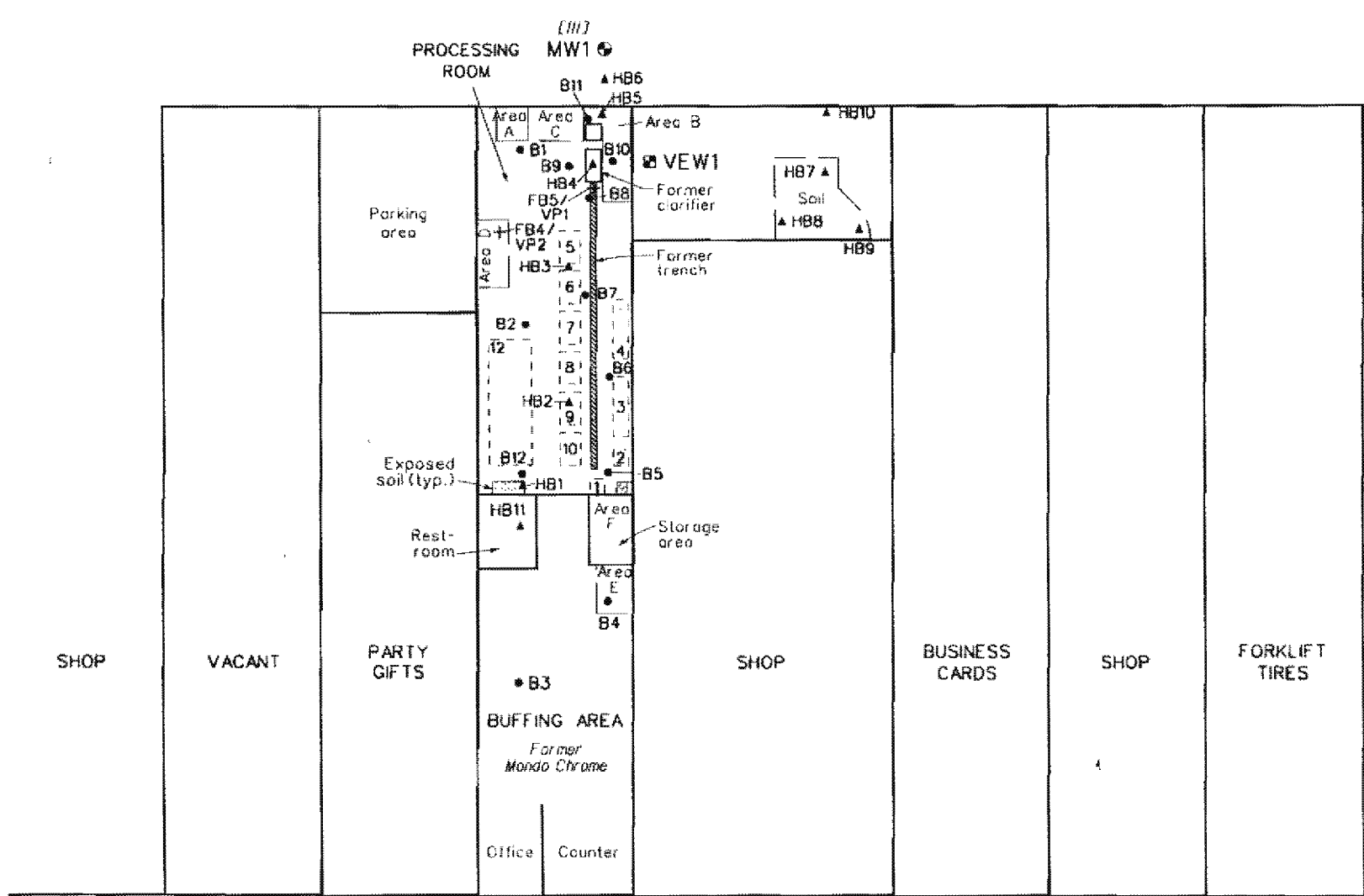
FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING GROUNDWATER ELEVATIONS AND ESTIMATED GROUNDWATER FLOW DIRECTION ON SEPTEMBER 22, 2000

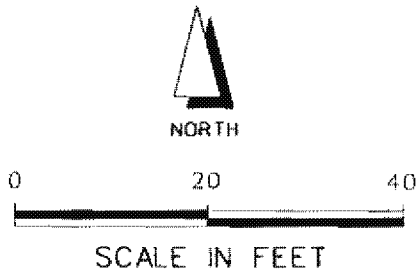
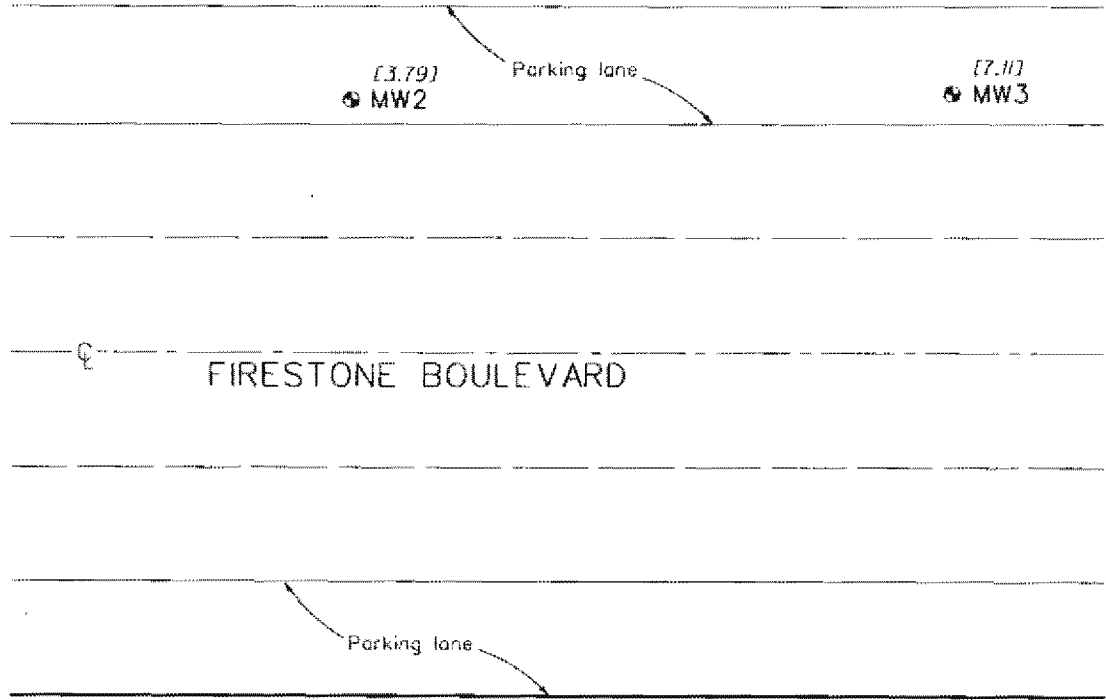
Date: OCTOBER 2000 Figure 2



MASON STREET



- NOTES:
- 1) All locations and dimensions are approximate.
 - 2) Base map from Proposed Site Assessment, Former Mondo Chrome Facility, by Fugro West, Inc., project no. 94-48-1320, dated August 1994, and field observations made by FREY Environmental, Inc. July 1996.



FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

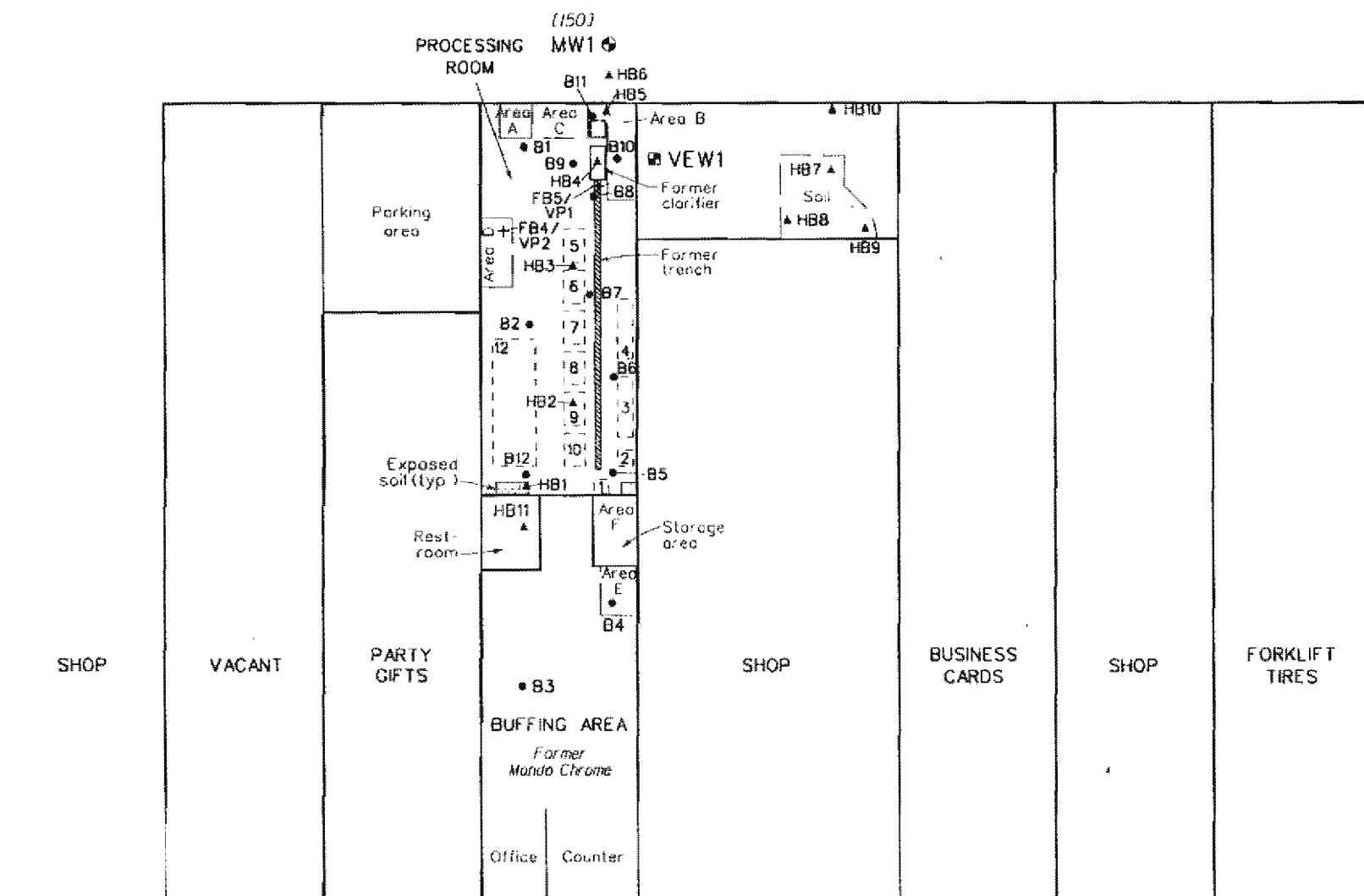
Client: TEDESCO LEASING Project No: 172-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH WITH PCE
CONCENTRATIONS IN GROUNDWATER,
ON SEPTEMBER 22, 2000

Date: OCTOBER 2000 Figure 3

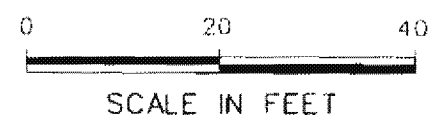
- MASON STREET



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2) Base map from Proposed Site Assessment, Former Mondo Chrome Facility, by Fugro West, Inc., project no. 94-48-1320, dated August 1994, and field observations made by FREY Environmental, Inc. July 1996.



NORTH



FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING

Project No. 172-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH WITH TCE
CONCENTRATIONS IN GROUNDWATER,
ON SEPTEMBER 22, 2000

Date: OCTOBER 2000

Figure 4

APPENDIX A

FIELD PROCEDURES/WATER SAMPLING DATA FORMS

WELL PURGING AND GROUND WATER SAMPLING

1. The water level, and depth to the bottom of each well, was recorded using a conductance probe prior to well purging. A clear bailer sample was taken and visually inspected for turbidity and the presence of free product.
2. The groundwater monitoring wells were purged of at least three well volumes using a submersible pump or bailer.
3. The well was allowed to recover to at least 80 percent of its original well volume prior to sampling.
4. The ground water samples were collected using a stainless steel bailer held by dedicated nylon line.
5. All items entering the well; tapes, conductance probe, bailers were cleaned prior to use and between sampling periods.
6. Groundwater collected from each monitoring well was placed into EPA approved, zero head space, 40 milliliters (mL) vials and 500 mL containers.
7. Each sample was labeled.
8. The samples were placed in a bag, and into an ice chest, and cooled following collection.
9. The samples were delivered to the laboratory directly after collection. Sample handling, transport, and delivery to the laboratory were documented using chain of custody procedures and appropriate Chain-of-Custody forms.

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Mondo CHROMEDATE 9/22/200JOB NO. 172-01SAMPLING PERSONNEL Viklio Ramirez

WELL NUMBER <u>MW1</u>	Well Diameter (ID) <u>2"</u>	Reference Point <u>Toe</u>
WATER DEPTH (ft) <u>40.55</u>	WELL DEPTH <u>54.23</u>	Feet of H2O in Well <u>13.68</u>

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
9:30							Start pump
9:32	02	2	7.45	69.3	1820		clear water
9:34	04	4	7.35	69.8	1830		cc cc
9:37	07	7.00	7.53	69.9	1890		cc cc
9:37							Stop pump
9:50			8.08	68.6	1870		
TOTAL GALLONS PURGED		<u>7.00</u>					

SAMPLE DEPTH (FT) <u>41.04</u>	PURGE METHOD <u>2" Pump</u>	PURGE PUMPING RATE (GPM) <u>1</u>
-----------------------------------	-----------------------------	--------------------------------------

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	<u>Hydack #2</u>
Turbidity Meter	
Pump (Dia./Type)	<u>2" pump #1</u>
Water Level Meter	<u>Solinst #2</u>
Sampler (Dia. x length)	<u>1.5 x 36" #2</u>

SAMPLE NUMBER	# BOTTLES
<u>MW1</u>	<u>3</u>

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: () Ft x (0.65) = Gallons

3 Well Volumes = Gallons

2-INCH WELL: 13.68 Ft x (0.16) = 2.18 Gallons3 Well Volumes 6.56 Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Mondo CHROMEDATE 9/22/200JOB NO. 172-01SAMPLING PERSONNEL Vilma Ramirez

WELL NUMBER <u>MW 2</u>	Well Diameter (ID) <u>2"</u>	Reference Point <u>TCR</u>
WATER DEPTH (ft) <u>40.47</u>	WELL DEPTH <u>53.05</u>	Feet of H ₂ O in Well <u>12.58</u>

TIME	ELAPSED TIME	GALLONS PURGED	pH	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
7:30							START pump
7:32	02	2	7.63	69.3	3310		clear water
7:34	04	4	7.65	69.4	3220		cc cc
7:37	07	7.00	7.56	69.3	3310		cc cc
7:37							Stop pump
8:35			7.59	67.9	3470		Clear Sample
TOTAL GALLONS PURGED		<u>7.00</u>					

SAMPLE DEPTH (FT) <u>40.99</u>	PURGE METHOD <u>2" pump</u>	PURGE PUMPING RATE (GPM) <u>1</u>
-----------------------------------	--------------------------------	--------------------------------------

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	<u>Hx daek #2</u>
Turbidity Meter	
Pump (Dia./Type)	<u>2" pump #1</u>
Water Level Meter	<u>Schlumberger #2</u>
Boiler (Dia. x length)	<u>1.5 x 36" #2</u>

SAMPLE NUMBER	# BOTTLES
<u>MW 2</u>	<u>4</u>

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: () Ft x (0.65) = Gallons

3 Well Volumes = Gallons

2-INCH WELL: 12.58 Ft x (0.16) = 2.01 Gallons3 Well Volumes = 6.03 Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME MendochromeDATE 9/22/200JOB NO. 172-01SAMPLING PERSONNEL Vitelin Ramirez

WELL NUMBER <u>MW 3</u>	Well Diameter (ID) <u>2"</u>	Reference Point <u>TTC</u>
WATER DEPTH (ft) <u>40.60</u>	WELL DEPTH <u>53.35</u>	Feet of H ₂ O in Well <u>12.75</u>

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	COMMENTS
8:00							Start pump
8:02	02	2	7.36	70.1	3450		clear water
8:04	04	4	7.28	69.8	3610		cc cc
8:07	07	7.00	7.56	69.8	3550		cc cc
8:09							Stop pump
8:45			7.35	69.7	3520		clear sample
TOTAL GALLONS PURGED		<u>7.00</u>					

SAMPLE DEPTH (FT) <u>41.11</u>	PURGE METHOD <u>2" pump</u>	PURGE PUMPING RATE (GPM) <u>1</u>
-----------------------------------	--------------------------------	--------------------------------------

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	<u>Hydack #2</u>
Turbidity Meter	
Pump (Dia./Type)	<u>2" pump #1</u>
Water Level Meter	<u>Solinst #2</u>
Bailer (Dia. x length)	<u>1.5 X 36" #2</u>

SAMPLE NUMBER	# BOTTLES
<u>MW 3</u>	<u>4</u>

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: () Ft) x (0.65) = _____ Gallons

3 Well Volumes = _____ Gallons

2-INCH WELL: 12.75 Ft) x (0.16) = 2.04 Gallons3 Well Volumes = 6.12 Gallons

APPENDIX B
LABORATORY RESULTS



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Frey Environmental, Inc.
ATTN: Evan Privett
2817A Lafayette Ave.
Newport Beach, CA 92663

(7741)

LAB REQUEST 59880

REPORTED 10/04/2000

RECEIVED 09/22/2000

PROJECT Mondo Chrome 172-0

SUBMITTER Glient

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.

213766

213767

213768

Client Sample Identification

MW2

MW3

MW1

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by.

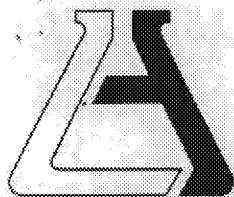
Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Lab request 59880 cover, page 1 of 1



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Frey Environmental, Inc.
ATTN: Evan Privett
2817A Lafayette Ave.
Newport Beach, CA 92663

(7741)

LAB REQUEST 59880

REPORTED 10/04/2000

RECEIVED 09/22/2000

PROJECT Mondo Chrome 172-0

SUBMITTER Client

COMMENTS

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Client Sample Identification

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Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 213766

Client: Frey Environmental, Inc.

Matrix: WATER

Client Sample ID: MW2

Date Sampled: 09/22/2000

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
200.7 ICP Total Metals - Water Only					
Chromium	0.017	1	0.003	mg/L	10/02/00 NVK
8021B/HVO Halogenated Volatile Organics					
1,1,1-Trichloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,1,2,2-Tetrachloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,1,2-Trichloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,1-Dichloroethane	ND	1	0.8	ug/L	09/28/00 MZ
1,1-Dichloroethene	ND	1	0.8	ug/L	09/28/00 MZ
1,2-Dibromoethane	ND	1	1.0	ug/L	09/28/00 MZ
1,2-Dichlorobenzene	ND	1	1.0	ug/L	09/28/00 MZ
1,2-Dichloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,2-Dichloropropane	ND	1	0.5	ug/L	09/28/00 MZ
1,3-Dichlorobenzene	ND	1	2.0	ug/L	09/28/00 MZ
1,4-Dichlorobenzene	ND	1	1.0	ug/L	09/28/00 MZ
2-Chloroethylvinyl ether	ND	1	0.7	ug/L	09/28/00 MZ
Bromoform	ND	1	0.5	ug/L	09/28/00 MZ
Bromomethane	ND	1	1.0	ug/L	09/28/00 MZ
Carbon tetrachloride	ND	1	0.7	ug/L	09/28/00 MZ
Chlorobenzene	ND	1	1.0	ug/L	09/28/00 MZ
Chloroethane	ND	1	0.5	ug/L	09/28/00 MZ
Chloroform	ND	1	0.5	ug/L	09/28/00 MZ
Chloromethane	ND	1	1.0	ug/L	09/28/00 MZ
Dibromochloromethane	ND	1	0.5	ug/L	09/28/00 MZ
Dichlorobromomethane	ND	1	0.5	ug/L	09/28/00 MZ
Dichlorodifluoromethane	ND	1	2.0	ug/L	09/28/00 MZ
Methylene Chloride	ND	1	1.0	ug/L	09/28/00 MZ
Tetrachloroethene	3.79	1	0.5	ug/L	09/28/00 MZ
Trichloroethene	72.6	1	0.6	ug/L	09/28/00 MZ
Trichlorofluoromethane	ND	1	0.5	ug/L	09/28/00 MZ
Vinyl chloride	ND	1	1.0	ug/L	09/28/00 MZ
cis-1,2-Dichloroethene	ND	1	0.5	ug/L	09/28/00 MZ
cis-1,3-Dichloropropene	ND	1	1.5	ug/L	09/28/00 MZ
trans-1,2-Dichloroethene	ND	1	0.8	ug/L	09/28/00 MZ
trans-1,3-Dichloropropene	ND	1	1.5	ug/L	09/28/00 MZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES Analytical Results Report

Order #: 213767

Client: Frey Environmental, Inc.

Matrix: WATER

Client Sample ID: MW3

Date Sampled: 09/22/2000

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
200.7 ICP Total Metals - Water Only					
Chromium	0.020	1	0.003	mg/L	10/02/00 NVK
8021B/HVO Halogenated Volatile Organics					
1,1,1-Trichloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,1,2,2-Tetrachloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,1,2-Trichloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,1-Dichloroethane	ND	1	0.8	ug/L	09/28/00 MZ
1,1-Dichloroethene	1.61	1	0.8	ug/L	09/28/00 MZ
1,2-Dibromoethane	ND	1	1.0	ug/L	09/28/00 MZ
1,2-Dichlorobenzene	ND	1	1.0	ug/L	09/28/00 MZ
1,2-Dichloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,2-Dichloropropane	ND	1	0.5	ug/L	09/28/00 MZ
1,3-Dichlorobenzene	ND	1	2.0	ug/L	09/28/00 MZ
1,4-Dichlorobenzene	ND	1	1.0	ug/L	09/28/00 MZ
2-Chloroethylvinyl ether	ND	1	0.7	ug/L	09/28/00 MZ
Bromoform	ND	1	0.5	ug/L	09/28/00 MZ
Bromomethane	ND	1	1.0	ug/L	09/28/00 MZ
Carbon tetrachloride	ND	1	0.7	ug/L	09/28/00 MZ
Chlorobenzene	ND	1	1.0	ug/L	09/28/00 MZ
Chloroethane	ND	1	0.5	ug/L	09/28/00 MZ
Chloroform	ND	1	0.5	ug/L	09/28/00 MZ
Chloromethane	ND	1	1.0	ug/L	09/28/00 MZ
Dibromochloromethane	ND	1	0.5	ug/L	09/28/00 MZ
Dichlorobromomethane	ND	1	0.5	ug/L	09/28/00 MZ
Dichlorodifluoromethane	ND	1	2.0	ug/L	09/28/00 MZ
Methylene Chloride	ND	1	1.0	ug/L	09/28/00 MZ
Tetrachloroethene	7.11	1	0.5	ug/L	09/28/00 MZ
Trichloroethene	66.0	1	0.6	ug/L	09/28/00 MZ
Trichlorofluoromethane	ND	1	0.5	ug/L	09/28/00 MZ
Vinyl chloride	ND	1	1.0	ug/L	09/28/00 MZ
cis-1,2-Dichloroethene	4.97	1	0.5	ug/L	09/28/00 MZ
cis-1,3-Dichloropropene	ND	1	1.5	ug/L	09/28/00 MZ
trans-1,2-Dichloroethene	ND	1	0.8	ug/L	09/28/00 MZ
trans-1,3-Dichloropropene	ND	1	1.5	ug/L	09/28/00 MZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES Analytical Results Report

Order #: 213768

Client: Frey Environmental, Inc.

Matrix: WATER

Client Sample ID: MW1

Date Sampled: 09/22/2000

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
200.7 ICP Total Metals - Water Only					
Chromium	ND	1	0.003	mg/L	10/02/00 NVK
8021B/HVO Halogenated Volatile Organics					
1,1,1-Trichloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,1,2,2-Tetrachloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,1,2-Trichloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,1-Dichloroethane	ND	1	0.8	ug/L	09/28/00 MZ
1,1-Dichloroethene	2.49	1	0.8	ug/L	09/28/00 MZ
1,2-Dibromoethane	ND	1	1.0	ug/L	09/28/00 MZ
1,2-Dichlorobenzene	ND	1	1.0	ug/L	09/28/00 MZ
1,2-Dichloroethane	ND	1	0.5	ug/L	09/28/00 MZ
1,2-Dichloropropane	ND	1	0.5	ug/L	09/28/00 MZ
1,3-Dichlorobenzene	ND	1	2.0	ug/L	09/28/00 MZ
1,4-Dichlorobenzene	ND	1	1.0	ug/L	09/28/00 MZ
2-Chloroethylvinyl ether	ND	1	0.7	ug/L	09/28/00 MZ
Bromoform	ND	1	0.5	ug/L	09/28/00 MZ
Bromomethane	ND	1	1.0	ug/L	09/28/00 MZ
Carbon tetrachloride	ND	1	0.7	ug/L	09/28/00 MZ
Chlorobenzene	ND	1	1.0	ug/L	09/28/00 MZ
Chloroethane	ND	1	0.5	ug/L	09/28/00 MZ
Chloroform	ND	1	0.5	ug/L	09/28/00 MZ
Chloromethane	ND	1	1.0	ug/L	09/28/00 MZ
Dibromochloromethane	ND	1	0.5	ug/L	09/28/00 MZ
Dichlorobromomethane	ND	1	0.5	ug/L	09/28/00 MZ
Dichlorodifluoromethane	ND	1	2.0	ug/L	09/28/00 MZ
Methylene Chloride	ND	1	1.0	ug/L	09/28/00 MZ
Tetrachloroethene	111	1	0.5	ug/L	09/28/00 MZ
Trichloroethene	150	1	0.6	ug/L	09/28/00 MZ
Trichlorofluoromethane	ND	1	0.5	ug/L	09/28/00 MZ
Vinyl chloride	ND	1	1.0	ug/L	09/28/00 MZ
cis-1,2-Dichloroethene	ND	1	0.5	ug/L	09/28/00 MZ
cis-1,3-Dichloropropene	ND	1	1.5	ug/L	09/28/00 MZ
trans-1,2-Dichloroethene	ND	1	0.8	ug/L	09/28/00 MZ
trans-1,3-Dichloropropene	ND	1	1.5	ug/L	09/28/00 MZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES Analytical Results Report

ASSOCIATED LABORATORIES

QA REPORT FORM

QC Sample: LFB000928-1

Matrix: WATER

Analysis Date: 09/28/00

ID#'s in Batch: LR 59880

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = ug/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD	Prep. Blank
1,2-Dichloroethane	8021	ND	10.0	7.1	7.3	71	73	3	ND
1,1,2-Trichloroethane	8021	ND	10.0	9.8	12.4	98	124	23	ND
Tetrachloroethene	8021	ND	10.0	10.2	10.1	102	101	1	ND
cis-1,2-DCE	8021	ND	10.0	9.8	9.7	98	97	1	ND
cis-1,3-DCPE	8021	ND	10.0	9.7	9.7	97	97	0	ND
Trichloroethene	8021	ND	10.0	9.8	9.9	98	99	1	ND
Bromodichloromethane	8021	ND	10.0	10.4	10.5	104	105	1	ND
trans-1,3-Dichloropropane	8021	ND	10.0	9.3	9.6	93	96	3	ND
Benzene	8021	ND	10.0	9.7	9.8	97	98	1	ND
Toluene	8021	ND	10.0	9.8	9.9	98	99	1	ND

* ~ Matrix Interference, LCS OK, Data Reported.

ND ~ Not Detected

RPD ~ Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD ~ Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS: 65-135

RPD LIMITS: 35

LCS RECOVERY / METHOD BLANK

Test	Spike Added	LCS Results	LCS % Rec	Limits % Rec
1,2-Dichloroethane	10.0	6.8	68	65-135
1,1,2-Trichloroethane	10.0	10.6	106	65-135
Tetrachloroethene	10.0	9.9	99	65-135
cis-1,2-DCE	10.0	9.9	99	65-135
cis-1,3-DCPE	10.0	10.3	103	65-135
Trichloroethene	10.0	10.0	100	65-135
Bromodichloromethane	10.0	9.9	99	65-135
trans-1,3-Dichloropropane	10.0	10.6	106	65-135
Benzene	10.0	10.0	100	65-135
Toluene	10.0	10.1	101	65-135

Method Blank = All ND

ASSOCIATED LABORATORIES

LCS/MB REPORT FORM

QC Code #: H092600W89

Prep. Method: 3010

Prep. Date: 09/26/00

Matrix: WATER

Wt./Vol: 0.5ml/25ml

LCS Source(s): QC21-LOT#QC2/91/1;QC7-LOT7A92/1

Lab ID#s in Batch: LR 59974, 59901, 59902, 59925, 59938, 59880, 59943, 59949, 59889

Reporting Units: mg/L

Lab Control Sample (LCS)							Method Blank	
Element	Method	Result	True	%Rec	L.Limit	H.Limit	DLR	ND
Arsenic	200.7	2.096	2.0	104.8	80%	120%	0.005	U
Selenium	200.7	2.203	2.0	110.2	80%	120%	0.004	U
Thallium	200.7	2.114	2.0	105.7	80%	120%	0.003	U
Lead	200.7	2.064	2.0	103.2	80%	120%	0.002	U
Antimony	200.7	2.090	2.0	104.5	80%	120%	0.006	U
Barium	200.7	1.950	2.0	97.5	80%	120%	0.002	U
Beryllium	200.7	2.046	2.0	102.3	80%	120%	0.001	U
Boron	200.7	1.922	2.0	96.1	80%	120%	0.011	U
Cadmium	200.7	2.018	2.0	100.9	80%	120%	0.004	U
Chromium	200.7	1.996	2.0	99.8	80%	120%	0.003	U
Cobalt	200.7	2.004	2.0	100.2	80%	120%	0.005	U
Copper	200.7	1.965	2.0	98.3	80%	120%	0.004	U
Iron	200.7	2.036	2.0	101.8	80%	120%	0.011	U
Manganese	200.7	1.940	2.0	97.0	80%	120%	0.002	U
Molybdenum	200.7	1.975	2.0	98.8	80%	120%	0.010	U
Nickel	200.7	2.021	2.0	101.1	80%	120%	0.008	U
Vanadium	200.7	1.946	2.0	97.3	80%	120%	0.005	U
Zinc	200.7	2.045	2.0	102.3	80%	120%	0.002	U
Silver	200.7	0.8573	1.0	85.7	80%	120%	0.005	U
Aluminum	200.7	2.004	2.0	100.2	80%	120%	0.032	U

Notes: RESULT = Sample Result; TRUE = True Value; %Rec = $100 \times \text{Result} / \text{True}$

L.LIMIT / H.LIMIT = Low / High Control Limits

PB = Preparation Blank; ND = "U" for Non-Detected

ASSOCIATED LABORATORIES
QA REPORT FORM (MS/MSD)

QC Sample: LR 59974 - 214187

Matrix: WATER

Prep. Date: 09/26/00

Analysis Date: 09/28/00 - 10/02/00

Lab ID#'s in Batch: LR 59974, 59901, 59902, 59925, 59938, 59880, 59943, 59949, 59889

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = mg/L

TEST	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Arsenic	200.7	0.004	U	0.1	0.100	0.102	100.0	102.0	2.0
Lead	200.7	0.007		0.2	0.202	0.204	97.5	98.5	1.0
Selenium	200.7	0.014		0.1	0.119	0.124	105.0	110.0	4.1
Thallium	* 200.7	0.003	U	0.1	0.070	0.068	70.0	68.0	2.9
Antimony	200.7	0.030	U	1.0	0.939	0.973	93.9	97.3	3.6
Barium	200.7	0.033		1.0	0.917	0.953	88.4	92.0	3.9
Beryllium	200.7	0.003		1.0	0.899	0.940	89.6	93.7	4.5
Cadmium	200.7	0.003	U	1.0	0.874	0.917	87.4	91.7	4.8
Chromium	200.7	0.031		1.0	0.883	0.930	85.2	89.9	5.2
Cobalt	200.7	0.322		1.0	1.220	1.290	89.8	96.8	5.6
Copper	200.7	0.176		1.0	1.080	1.130	90.4	95.4	4.5
Molybdenum	200.7	0.010	U	1.0	0.850	0.890	85.0	89.0	4.6
Nickel	200.7	0.023		1.0	0.883	0.919	86.0	89.6	4.0
Vanadium	200.7	0.005	U	1.0	0.860	0.904	86.0	90.4	5.0
Zinc	200.7	0.022		1.0	0.903	0.935	88.1	91.3	3.5
Silver	200.7	0.005	U	0.4	0.371	0.391	92.8	97.8	5.2

* = MS/MSD outside Limits. LCS/MB Accepted.

NC = Not Calculated

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS&MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

% REC LIMITS = 75 - 125

RPD LIMITS = 20



ASSOCIATED LABORATORIES

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(714) 771-6900 • FAX: (714) 538-1209

59880

CHAIN OF CUSTODY RECORD

Date 9/22/00 Page 1 of 1

CLIENT FREY ENVIRONMENTAL INC		PROJECT MANAGER EVAN PRIVETT		Samples Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
ADDRESS 2817 A LAFALETTE AVE		PHONE NUMBER 949 723-1645		County Seals Intact Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
NEWPORT BEACH CA 92663		SAMPLERS: (Signature) <i>[Signature]</i>		Sample Ambient <input type="checkbox"/> Cooled <input checked="" type="checkbox"/> Frozen <input type="checkbox"/>	
PROJECT NAME MONDO CHROME 172-0				Same Day <input type="checkbox"/> 24 Hr. <input type="checkbox"/>	
				Regular <input checked="" type="checkbox"/> 48 Hr. <input type="checkbox"/>	

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE			NO OF CNTNRS	SUSP. CONTAM.	TESTS REQUIRED
				WATER	AIR	SOLID			
MW 2		9/22/00		X			3		EPA 8010
MW 2	Liter						1		CHROMIUM
MW 3							3		EPA 8010
MW 3	Liter						1		CHROMIUM
MW 1							3		EPA 8010
MW	Liter						1		CHROMIUM

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date/Time 9/22/00	I hereby authorize the performance of the above indicated work.
Relinquished by: (Signature) <i>[Signature]</i>	Received by Laboratory for analysis (Signature) <i>[Signature]</i>	Date/Time 9/22/00	
Special Instructions:		Date/Time 9/22/00	

DISTRIBUTION: White with report. Yellow to AL. Pink to Courier